

IN THE CLAIMS:

Please amend claims **10 - 17** as follows:

10. (Amended) The system as claimed in claim [9] 8, wherein:
said input device selects a halftone to be used in printing the image data;
said storage device provides a plurality of calibrated tone-reproduction curves,
each calibrated tone-reproduction curve corresponding to a distinct halftone type and
media type combination;

 said processor selects a calibrated tone-reproduction curve based on the
selected media type and selected halftone type.

11. (Amended) The system as claimed in claim [9] 8, further comprising:
calibration means for performing a plurality of calibration operations, each
calibration operation using a distinct media type;

 said calibration means generating a tone-reproduction curve for each media
type;

 said storage device storing the generated the tone-reproduction curves and
providing a plurality of stored calibrated tone-reproduction curves, each stored
calibrated tone-reproduction curve corresponding to a distinct media type.

12. (Amended) The system as claimed in claim [9] 8, further comprising:
calibration means for performing a plurality of calibration operations, each
calibration operation using a distinct media type;

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said calibration means generating a tone-reproduction curve for each media type;

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said input device selecting a halftone to be used in printing the image data;
said storage device storing the generated the tone-reproduction curves and providing a plurality of stored calibrated tone-reproduction curves, each stored calibrated tone-reproduction curve corresponding to a distinct halftone type and media type combination;

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said processor selecting a calibrated tone-reproduction curve based on the selected media type and selected halftone type.

13. (Amended) The system as claimed in claim [9] 8, further comprising: calibration means for performing a plurality of calibration operations, each calibration operation using a distinct media type;

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said calibration means generating a tone-reproduction curve for each media type calibration;

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said calibration means comparing the plurality of tone-reproduction curves to group tone-reproduction curves having similar characteristics;

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said calibration means selecting a single tone-reproduction curve from a group of tone-reproduction curves having similar characteristics, each single tone-reproduction curve being the tone-reproduction curve associated with the media types that generated the tone-reproduction curve having similar characteristics;

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said storage device storing selected and non-grouped tone-reproduction curves;

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said calibration means generating a map to link a stored tone-reproduction curve to a media type, a stored tone-reproduction curve being capable of being mapped to more than one media type;

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said storage device providing a plurality of stored calibrated tone-reproduction curves, each stored calibrated tone-reproduction curve corresponding to a distinct media type.

14. (Amended) The system as claimed in claim [9] 8, further comprising:
calibration means for performing a plurality of calibration operations, each calibration operation using a distinct media type and halftone type combination;

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said calibration means generating a tone-reproduction curve for each media type and halftone type combination calibration;

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said calibration means comparing the plurality of tone-reproduction curves to group tone-reproduction curves having similar characteristics;

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said calibration means selecting a single tone-reproduction curve from a group of tone-reproduction curves having similar characteristics, each single tone-reproduction curve being the tone-reproduction curve associated with the media type and halftone type combinations that generated the tone-reproduction curve having similar characteristics;

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said storage device storing selected and non-grouped tone-reproduction curves;

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said calibration means generating a map to link a stored tone-reproduction curve to a media type and halftone type combination, a stored tone-reproduction curve

being capable of being mapped to more than one media type and halftone type combination; and

 said input device selecting a halftone to be used in printing the image data;

 said storage device providing a plurality of stored calibrated tone-reproduction curves, each stored calibrated tone-reproduction curve corresponding to a distinct media type and halftone type combination;

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 said processor selecting a calibrated tone-reproduction curve based on the selected media type and selected halftone type.

15. (Amended) The system as claimed in claim [9] 8, further comprising:

 an auto-segmentation circuit to determine a halftone to be used in printing the image data;

 said storage device providing a plurality of calibrated tone-reproduction curves, each calibrated tone-reproduction curve corresponding to a distinct halftone type and media type combination;

 said processor selecting a calibrated tone-reproduction curve based on the selected media type and determined halftone type.

16. (Amended) The system as claimed in claim [9] 8, further comprising:

 calibration means for performing a plurality of calibration operations, each calibration operation using a distinct media type;

 said calibration means generating a tone-reproduction curve for each media type; and

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an auto-segmentation circuit to determine a halftone to be used in printing the image data;

said storage device storing the generated the tone-reproduction curves and providing a plurality of stored calibrated tone-reproduction curves, each stored calibrated tone-reproduction curve corresponding to a distinct halftone type and media type combination;

said processor selecting a calibrated tone-reproduction curve based on the selected media type and determined halftone type.

17. (Amended) The system as claimed in claim [9] 8, further comprising:

calibration means for performing a plurality of calibration operations, each calibration operation using a distinct media type and halftone type combination;

said calibration means generating a tone-reproduction curve for each media type and halftone type combination calibration:

said calibration means comparing the plurality of tone-reproduction curves to group tone-reproduction curves having similar characteristics:

said calibration means selecting a single tone-reproduction curve from a group of tone-reproduction curves having similar characteristics, each single tone-reproduction curve being the tone-reproduction curve associated with the media type and halftone type combinations that generated the tone-reproduction curve having similar characteristics;

said storage device storing selected and non-grouped tone-reproduction curves: